

## ABSTRACT OF THE DISCLOSURE

A process for the removal of sulfur-oxidated compounds from a hydrocarbonaceous stream containing sulfur-oxidated compounds wherein the hydrocarbonaceous stream containing sulfur-oxidated compounds is contacted with an adsorbent which selectively adsorbs sulfur-oxidated compounds from the hydrocarbonaceous stream to produce an adsorbent having adsorbed sulfur-oxidated compounds. The loaded adsorbent containing sulfur-oxidated compounds is contacted with a desorbent to produce a desorbent containing sulfur-oxidated compounds and an adsorbent having a reduced content of sulfur-oxidated compounds. The regenerated adsorbent is then used to remove additional sulfur-oxidated compounds.